

**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 21-Nov-14

Time 11:20 PM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 562 Const Calendar Day: 962 Date: 27-Apr-2012 Friday

Inspector Name: Bruce, Matt Title: Transportation Engineer

Inspection Type: Continuous

Shift Hours: 07:00 am 03:30 pm Break: 00:30 Over Time:

Federal ID:

Location:

Reviewer: Schmitt, Alex

Approved Date:

Status: Submit

**04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge****Weather****Temperature** 7 AM 50 - 60 12 PM 60 - 70 4PM 60 - 70**Precipitation** 0.00"**Condition** Mostly sunnyWorking Day ☐ If no, explain:**Diary:**

Dispute

Work description.

- Performed a QA check of the first set of initial measurements (unstressed lengths) taken with the Extensometer on the cable band bolts. The Smith emery technicians taking the measurements today included Jason Chuong, Allen Miranda, Jeff Reinheimer, and Brien Connolly. The following is the list of cable band bolts measured today by SE technicians where I followed them confirming unstressed length measurements:

Cable Band	Bolts Measured (Unstressed)
24N	9 (Check)
28N	1-18
30N	1-18
32N	1-18
34N	1-20
36N	1-20
38N	1-20
40N	1-26
46N	7-18
48N	1-14
50N	1-14
52N	1-14
54N	1-14
56N	1-12
58N	1-12
60N	1-12
62N	1-12
64N	1-10

I followed Jason and Allen who used the ABF#1 Extensometer to take the unstressed measurements of the all the bolts for cable bands 24N to 40N. Tai followed Jeff and Brien who used the ABF#2 Extensometer to take the unstressed measurements of the all the bolts for cable band 44N and bolts 1-6 on cable band 46N. I followed Jeff and Brien who used the ABF#2 Extensometer to take the unstressed measurements of the all the bolts for cable bands 46N (bolts 7-18) to 64N. The ambient temperature in the Pier 7 warehouse at 8:15am today was 59.0F. Similarly the temperature for cable band bolt number 34N8 was 57.0F, and Extensometer ABF#1 was 59.5F.

Once again there was some uncertainty by the SE technicians on how to read the dial on the



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extensometer gauge as the reading is in thousandths of an inch. It still took some practice for the technicians to correctly read the dial on the gauge as it was prudent for Caltrans engineers to witness this operation. Tai Lin Liu continued to use the Mini Max to measure the unstressed cable band bolts lengths for the North Sidespan, see his diary for more details.

- Continued to compose a checklist for cable band bolt stressing operations.